REMARKS

Reconsideration and allowance of the subject application are respectfully requested.

Claims 1-3, 5-6, 10, 14-26, 28, 30-42 and 44-49 are pending.

Claims 10 and 12-13 stand rejected under 35 U.S.C. 112, second paragraph. Applicants have amended claim 10 to eliminate the antecedent basis problem noted by the Examiner, and claims 12-13 have been cancelled rendering the rejection thereof moot. Accordingly, applicants respectfully request that the Examiner withdraw this rejection.

Claims 1-3, 5-7, 10, and 12-47 stand rejected under 35 U.S.C. 102(e) as being anticipated by Takahashi, and claims 8-9 stand rejected under 35 U.S.C. 103 as being unpatentable over Takahashi. Applicants traverse this art grounds of rejection.

Takahashi discloses a recording and reproducing apparatus for a video recorder. When video and audio are recorded or reproduced, the video and audio data are recorded in a main memory 18. As recognized by the Examiner, while the memory 18 is a large capacity memory made from a flash memory, DRAM or SRAM, Takahashi teaches in col. 9, lines 41-45 that the memory 18 could adopt a format which enables extension or exchange of IC cards.

However, even if the memory 18 is a separable IC card memory, the device of Takahashi only includes a single memory.

Consequently, Takahashi can not disclose or suggest "a data recording unit including a memory" and "a separable storage unit", as recited in claim 1. Nor can Takahashi disclose or suggest "a data storage unit storing compressed data" and "controlling transfer of said selected compressed data to a separable memory device", as recited in claim 14.

Independent claims 5, 24, 25, 31, 32, 33, 40, 41, 46 and 47 include similar recitations to those discussed above with respect to one of claim 1 and 14, and are patentable at least for the reasons given above with respect to claim 1 and 14.

As to claim 6, the searching of index data as taught by Takahashi (see columns 11-14), is not the same as the "reading and displaying a content table of data stored in a separable storage unit when the input key signal is a search signal," as recited in claim 6.

The remaining claims depend from one of the above-discussed independent claims, and therefore, are allowable at least for the reasons discussed above with respect to those independent claims.

For the reasons set forth above, applicants respectfully request that the Examiner withdraw these art grounds of rejection.

In the event that any outstanding matters remain in this application, Applicant requests that the Examiner contact Gary D. Yacura (Reg. No. 35,416) at (703) 205-8071 to discuss such matters.

Pursuant to 37 C.F.R. §§ 1.17 and 1.136(a), Applicant respectfully petitions for a two (2) month extension of time for filing a response in connection with the present application and the required fee of $390.00 is attached hereto.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Very truly yours,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By _____
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VERSION WITH MARKINGS TO SHOW CHANGES

1. A recording and reproduction apparatus for recording and reproducing at least one of audio and video signals comprising:

a data recording unit <u>including a data storage unit and</u> for recording at least one of audio and video signals;

a data reproduction unit for reproducing at least one of audio and video signals; and

a separable storage unit for storing data from said data recording unit and outputting stored data through said data reproduction unit;

wherein said data reproduction unit includes,

a keyed input unit for selecting a mode according to the function of a keyed input;

a controller for encoding and decoding an input signal according to the output of said keyed input unit; and

a data display for displaying data searched according to the output of said controller.

DO NOT ENTER MARKED-UP VERSION

2. A [signal] recording and reproduction apparatus according to claim 1, wherein said data recording unit comprises:

a data selector for selecting a mode and data according to the control of said controller;

a system control for generating clock and control signals according to output of said data selector;

a data compressor for converting an input analog signal to a digital signal and compressing the resulting digital signal according to the control of said system control;

a [memory] data storage unit control for generating [memory] data storage unit control signals and addresses according to the control of said system control;

[a memory for] said data storage unit storing compressed data output by said data compressor according to the control of said [memory] data storage unit control; and

an interface unit for performing data input/output operations between said [memory] data storage unit and separable storage unit according to the control of said system control.

3. A [signal] recording and reproduction apparatus according to claim 1, wherein said data reproduction unit additionally comprises:

a video signal Digital/Analog converter for Digital/Analog converting video data output from said controller; and

a display for displaying video data output from said video signal Digital/Analog converter.

5. (Amended) [A signal recording and reproduction apparatus comprising:]

A recording and reproduction apparatus for recording and reproducing at least one of audio and video signals comprising:

a data recording unit [for recording at least one of audio and video signals] including a data storage unit and for recording at least one of audio and video signals;

a data reproduction unit for reproducing at least one of audio and video signals; and

a separable storage unit for storing data from said data recording unit and outputting stored data through said data reproduction unit;

wherein said separable storage unit includes,

a memory array for storing data;

an address generator for generating addresses for specifying regions of said memory array;

a data interface unit for performing input/output operations on data stored in said memory array; and

a control unit for controlling said address generator and data interface unit.

6. A [signal] recording and reproduction method for recording and reproducing at least one of audio and video signals comprising the steps of:

reading a key[ed] signal when the key[ed] signal is input;

processing data when the input key signal is a record signal and storing the result in a separable storage unit;

reproducing and outputting data stored in said separable storage unit [if] when the [keyed input] input key signal is [determined as] a reproduction signal; and

reading and displaying a content table of data stored in the separable storage unit [if] when the input key signal [keyed input] is [determined as] a search signal;

wherein said processing step includes the steps of,

Analog/Digital converting input data; and

encoding said Analog/Digital converted data[; and

storing said encoded data in a separable storage unit].

10. A signal recording and reproduction method according to claim 6, wherein said data reproducing step comprises the steps of:

[memory] accessing said stored data in a separable storage unit;

decoding said accessed data;

Digital/Analog converting said decoded data; and

outputting said Digital/Analog converted data.

25. A reproducing apparatus for reproducing at least one of audio data and video data, comprising:

a key input unit for receiving user input designating one of a plurality of operation modes;

a data display for displaying information relating to at least one of said operation modes;

a separable storage unit for storing compressed data downloaded from a data storage unit, said separable storage unit being a storage unit other than a medium or a tape medium, and said compressed data being at least one of audio data and video data;

a processing system accessing and decompressing said compressed data stored in said [a separable memory device] separable storage unit based on said user input[,]; [said separable memory device being a memory device other

than a disk medium or a tape medium, and said compressed data being at least one of audio data and video data;] and

an output unit outputting said decompressed data.

41. A method for reproducing at least one of audio data and video data, comprising:

receiving user input designating one of a plurality of operation modes;

displaying information relating to at least one of said operation modes;

first accessing compressed data downloaded from a data storage unit and stored in a [separable memory device] separable storage unit, said separable storage unit [based on said user input, said separable memory device being a memory device] being a storage unit other than a disk medium or a tape medium, and said compressed data being at least one of audio data and video data; and

decompressing said accessed compressed data.

44. The method of claim 41, wherein

said second accessing step accesses content information from said separable [memory device] storage unit when said user input is a search request, said content information describing said compressed data stored in said separable [memory device] storage unit; and

said displaying step displays said accessed content information.

New claims 48 and 49 have been added.